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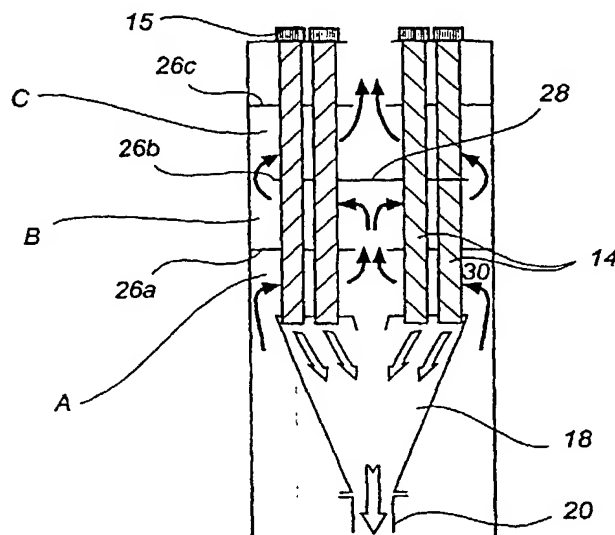
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- (71) Applicant (*for all designated States except US*): TPS TERMISKA PROCESSER AB [SE/SE]; Studsvik, S-611 82 Nyköping (SE).
- (72) Inventors; and
- (73) Inventors/Applicants (*for US only*): AHLGREN, Lennart [SE/SE]; Styrbordsvägen 116, S-613 35 Oxelösund (SE). RENSFELT, Erik [SE/SE]; Vitriskestigen 10, S-611 63 Nyköping (SE).
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(54) Title: PARTICLE SEPARATOR



(57) Abstract: The present invention relates to a method for separating entrained particles from a gas in a fluidised bed reactor system and a fluidised bed reactor system including a particle separator for separating entrained particles from a gas. The particles are separated from the gas flowing in a direction other than the main gas flow direction, whereby the separation is multidimensional. The gas is allowed to pass from the outside of the configuration to the inside thereof and/or vice versa, wherein the particles are separated from the gas during such a travel. The gas flow can be multileveled.